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PURPOSE: The titled material, obtained by immobilizing a physiologically active substance together with a blood coagulant in a structure having a shape, e.g. fiber aggregate, sponge or powder, and capable of releasing the above-mentioned physiologically active substance slowly for a long time while suppressing the inactivation thereof. CONSTITUTION: A sustained release material obtained by immobilizing a physiologically active substance, e.g. autonomic drug, local anesthetic, drug for acting on cardiovascular systems, antihistamic agent, antibiotic, remedy for diabetes or immunologically reactive substance, and a blood coagulant, preferably blood coagulation factor XIII or thrombin in a structure, preferably biologically absorbable gelatin, collagen, chitin, oxidised cellulose, etc. as a material having a shape, e.g. fiber aggregate, sponge, powder, monofilament, film or microcapsule, by the covalent bond or physical adsorption or entrapping method.